

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0755	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0755 Randall	U	1.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.66	0.33	2.98	160.22%	0.09			
Trim / Thin Trees	0.01		0.01	0.54%				
Animal Control	2.84		2.84	152.69%				
Operations & Maintenance Manuals	0.02		0.02	1.08%				
Emergency Supplies & Equipment	0.02		0.02	1.08%				
Flood Preparedness & Training	0.02		0.02	1.08%				
<i>Supplemental</i>								
USACE Erosion Survey	0.08		0.08	4.30%				
DWR UCIP Field Study					0.10			
LMA Totals:	4.65	0.33	5.97	320.97%	0.19	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Reclamation District No. 0755 Randall

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0755 Randall

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	1.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/29/2013 - 03/29/2013		11/13/2013 - 11/13/2013	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mathew Hemly RD755			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0755 Randall

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River				Left	1.86	11/13/2013 11/13/2013	Herman Phillips	

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	M Ma		°	°	40
DWR ID: DWR_RD0755_01_s_2012_40										
2			Earthen Levee	Emergency Supplies & Equipment	LS	M Ma		°	°	41
DWR ID: DWR_RD0755_01_s_2012_41										
3			Earthen Levee	Flood Preparedness & Training	LS	M Ma		°	°	42
DWR ID: DWR_RD0755_01_s_2012_42										
4	0.23	1.67	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.346391 ° -121.539480 °	38.338604 ° -121.562664 °	15 Y
DWR ID: DWR_RD0755_01_f_2013_15										
5	0.37	0.37	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.345849 ° -121.541865 °	38.345849 ° -121.541865 °	16
DWR ID: DWR_RD0755_01_f_2013_16										
6	0.44	0.53	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.345615 ° -121.543058 °	38.345665 ° -121.544786 °	17
DWR ID: DWR_RD0755_01_f_2013_17										
7	0.44	1.61	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: I saw active rodent holes along this stretch but did not see any rodents. 3-29-2013.	38.345616 ° -121.543079 °	38.339223 ° -121.561995 °	6
DWR ID: DWR_RD0755_01_f_2012_6										
8	0.45	0.45	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:17123 EP_NO: 4302 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FBC about 2 feet. Power conduit also through the levee. Wet ground on pump site/location. May need investigation about wet ground. FIELD_STRUCT_DESC: 8-inch steel pipe through levee, 2.0 feet below crown. Pump electrical box and control valve on waterward slope. Siphon breaker on landward slope. Service pole at landward toe. (App. No. 4302-Hemly) . FS Date: 8/6/2013	38.345640 ° -121.543277 °	38.345640 ° -121.543277 °	1 Y
DWR ID: DWR_RD0755_01_f_2013_1										
9	0.55	1.78	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.345637 ° -121.545270 °	38.337432 ° -121.564027 °	4
DWR ID: DWR_RD0755_01_s_2012_4										
10	0.56	0.79	Earthen Levee	Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the tall weeds from levee section.	38.345593 ° -121.545412 °	38.344711 ° -121.549581 °	18 Y
DWR ID: DWR_RD0755_01_f_2013_18										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0755 Randall

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.86	11/13/2013 11/13/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
11	0.94	0.94	Supplemental	DWR UCIP Field Study	LS	M _{En}	Inspector Comments: FS_ID:17063 EP_NO: 11225 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe and pump. Service pole, power box lying on LS slope. FIELD_STRUCT_DESC: Abandoned 10-inch pipe and 1-inch conduit through levee, 5.6 feet below crown, pump on pile structure with walkway to pump. Abandoned service pole on landward slope. (ABO No. 11225- Wilson). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.344103 ° -121.552119 °	38.344103 ° -121.552119 °	2 Y
DWR ID: DWR_RD0755_01_f_2013_2										
12	0.94	0.94	Supplemental	DWR UCIP Field Study	LS	M _{En}	Inspector Comments: FS_ID:16972 EP_NO: 11225 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe and pump. Service pole, power box lying on LS slope. FIELD_STRUCT_DESC: 10-inch pipe and 1-inch conduit through levee, 5.6 feet below crown, pump on pile structure with walkway to pump. Service pole on landward slope. (ABO No. 11225- Wilson). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.344103 ° -121.552119 °	38.344103 ° -121.552119 °	5
DWR ID: DWR_RD0755_01_f_2013_5										
13	1.04	1.14	Earthen Levee	Vegetation	LS	U _{Ma}	V1 : Control annual grass and weeds on the levee slopes and easements.	38.343694 ° -121.553752 °	38.343310 ° -121.555517 °	19 Y
DWR ID: DWR_RD0755_01_f_2013_19										
14	1.06	1.06	Supplemental	DWR UCIP Field Study	LS	M _{En}	Inspector Comments: FS_ID:17064 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs properly abandoned. FIELD_STRUCT_DESC: Abandoned 12-inch pipe through levee, 5.0 feet below crown. (Cat. IVA-Wilson). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.343625 ° -121.554145 °	38.343625 ° -121.554145 °	7 Y
DWR ID: DWR_RD0755_01_f_2013_7										
15	1.06	1.06	Supplemental	DWR UCIP Field Study	LS	M _{En}	Inspector Comments: FS_ID:16974 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs properly abandoned. FIELD_STRUCT_DESC: Abandoned 14-inch pipe through levee, 5.0 feet below crown. (Cat. IVA-Wilson). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.343625 ° -121.554145 °	38.343625 ° -121.554145 °	8
DWR ID: DWR_RD0755_01_f_2013_8										
16	1.14	1.22	Earthen Levee	Vegetation	LS	M _{Ma}	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.343310 ° -121.555517 °	38.343018 ° -121.556893 °	20
DWR ID: DWR_RD0755_01_f_2013_20										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0755 Randall

DWR ID: DWR_RD0755_01_f_2013_23Page 3 of 7

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0755 Randall

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.86	11/13/2013 11/13/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	1.65	1.65	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:17083 EP_NO: 11219 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Pump and walkway seem abandoned.- Power line is not connected with pump.- a pump house like structure found on LS levee toe. FIELD_STRUCT_DESC: 16-inch pipe through levee, 8.5 feet below crown. Pump on pile structure in stream. Walkway to pump. Siphon breaker and power pole on landward slope. (ABO No. 11219-Elliott). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.338718 ° -121.562577 °	38.338718 ° -121.562577 °	11
DWR ID: DWR_RD0755_01_f_2013_11										
24	1.65	1.65	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16976 EP_NO: 11219 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Pump and walkway seem abandoned.- Power line is not connected with pump.- a pump house like structure on LS levee toe. FIELD_STRUCT_DESC: 16-inch pipe through levee, 8.5 feet below crown. Pump on pile structure in stream. Walkway to pump. Siphon breaker and power pole on landward slope. (ABO No. 11219-Elliott). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.338718 ° -121.562577 °	38.338718 ° -121.562577 °	12 Y
DWR ID: DWR_RD0755_01_f_2013_12										
25	1.66	1.66	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:17143 EP_NO: 11219 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Pump and walkway seem abandoned.- Power line is not connected with pump.- A pump house like structure found on LS levee toe. FIELD_STRUCT_DESC: 16-inch pipe through levee, 8.5 feet below crown. Pump on pile structure in stream. Walkway to pump. Siphon breaker and power pole on landward slope. (ABO No. 11219-Elliott). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013	38.338715 ° -121.562560 °	38.338715 ° -121.562560 °	14
DWR ID: DWR_RD0755_01_f_2013_14										
26	1.74	1.83	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.337702 ° -121.563618 °	38.336855 ° -121.564545 °	13
DWR ID: DWR_RD0755_01_s_2012_13										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0755 Randall

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.86	11/13/2013 11/13/2013	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.23
End Levee Mile	1.67
Location	Land Side
Category	Earthen Levee
Item	Vegetation
RD 755 Looking downstream from waterside shoulder. Photo taken 11-13-2013.	
phillips_f_20131202_746.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: overview of pump and pipe.	
UCIP_9853.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.56
End Levee Mile	0.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Weeds taller than 3-foot on landside slope. Photo taken 11-13-2013.	
phillips_f_20131202_747.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0755 Randall

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.86	11/13/2013 11/13/2013	Herman Phillips

Levee Mile Report Line	11
Start Levee Mile	0.94
End Levee Mile	0.94
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view: overview of pipe and pump structure.

UCIP_9813.jpg



Levee Mile Report Line	13
Start Levee Mile	1.04
End Levee Mile	1.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Weeds taller than 3-foot on landward slope and shoulder. Photo taken 11-13-2013.

phillips_f_20131202_748.JPG



Levee Mile Report Line	14
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view: steel pipe with siphon breaker on levee slope

UCIP_9821.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0755 Randall

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.86	11/13/2013 11/13/2013	Herman Phillips

Levee Mile Report Line	18
Start Levee Mile	1.14
End Levee Mile	1.14
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view: pump house on levee slope.

UCIP_9869.jpg



Levee Mile Report Line	24
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS view: CMP riser, service pole, pump house like structure and an abandoned conduit pipe.

UCIP_9834.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement